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graph TD; 100 --> 102[RECEIVING DIAGNOSTIC DATA ABOUT A PATIENT FROM A DIAGNOSTIC SERVICE PROVIDER, WHEREIN THE DIAGNOSTIC DATA IS OBTAINED BY PERFORMING A DIAGNOSTIC SERVICE ON THE PATIENT]; 102 --> 104[SENDING THE DIAGNOSTIC DATA TO AN INTERPRETER, WHEREIN THE INTERPRETER INTERPRETS THE PROCESSED DIAGNOSTIC DATA TO GENERATE AN INTERPRETATION OF THE DIAGNOSTIC DATA]; 104 --> 106[RECEIVING THE INTERPRETATION FROM THE INTERPRETER]; 106 --> 108[TRANSMITTING VIA A NETWORK AT LEAST ONE OF THE INTERPRETATION AND THE DIAGNOSTIC DATA TO A DISPLAY];
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100

102 RECEIVING DIAGNOSTIC DATA ABOUT A PATIENT FROM A DIAGNOSTIC SERVICE PROVIDER, WHEREIN THE DIAGNOSTIC DATA IS OBTAINED BY PERFORMING A DIAGNOSTIC SERVICE ON THE PATIENT

104 SENDING THE DIAGNOSTIC DATA TO AN INTERPRETER, WHEREIN THE INTERPRETER INTERPRETS THE PROCESSED DIAGNOSTIC DATA TO GENERATE AN INTERPRETATION OF THE DIAGNOSTIC DATA

106 RECEIVING THE INTERPRETATION FROM THE INTERPRETER

108 TRANSMITTING VIA A NETWORK AT LEAST ONE OF THE INTERPRETATION AND THE DIAGNOSTIC DATA TO A DISPLAY

FIG. 1

Interactions with Patients & Physicians

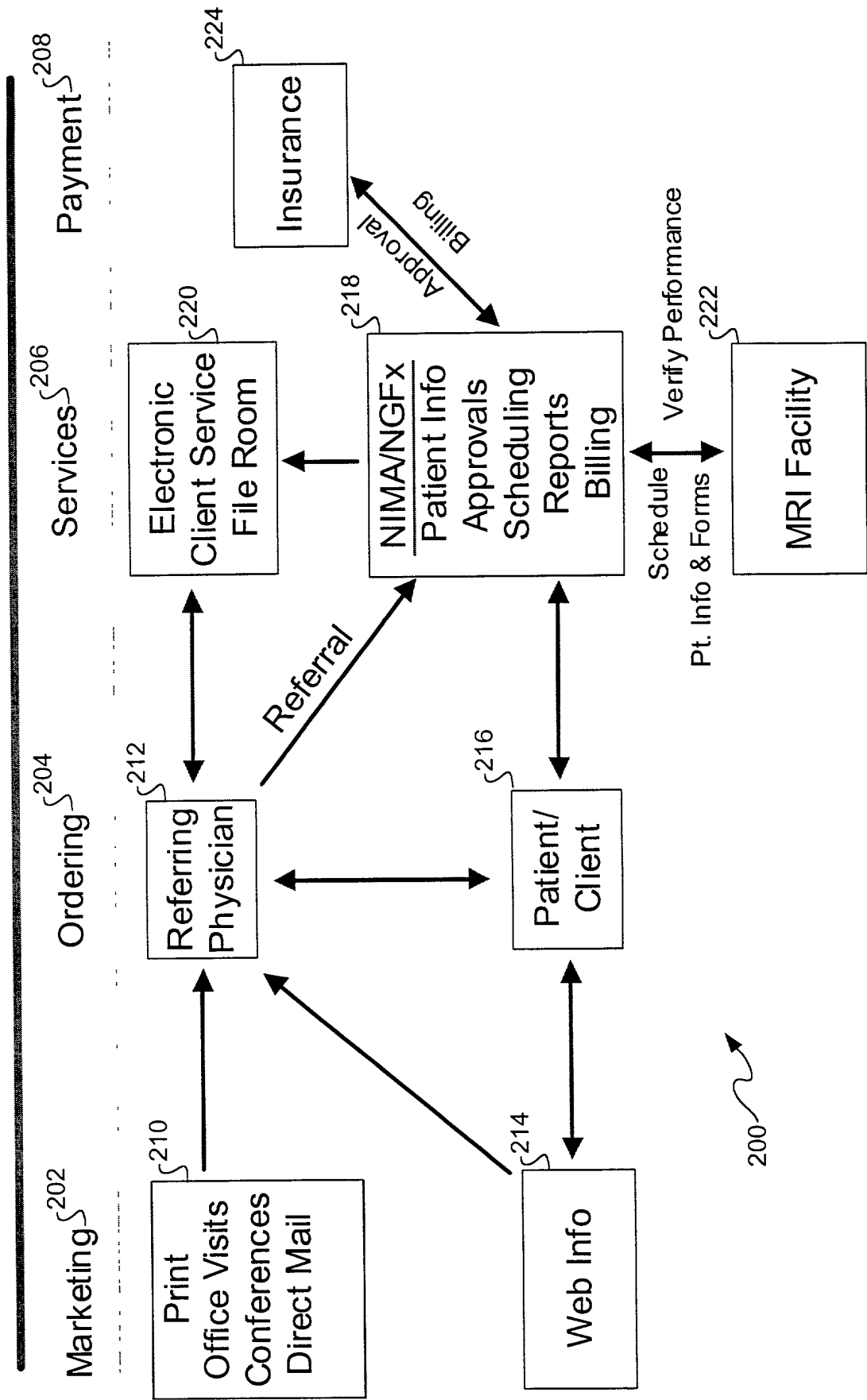


Image Interpretation Assembly

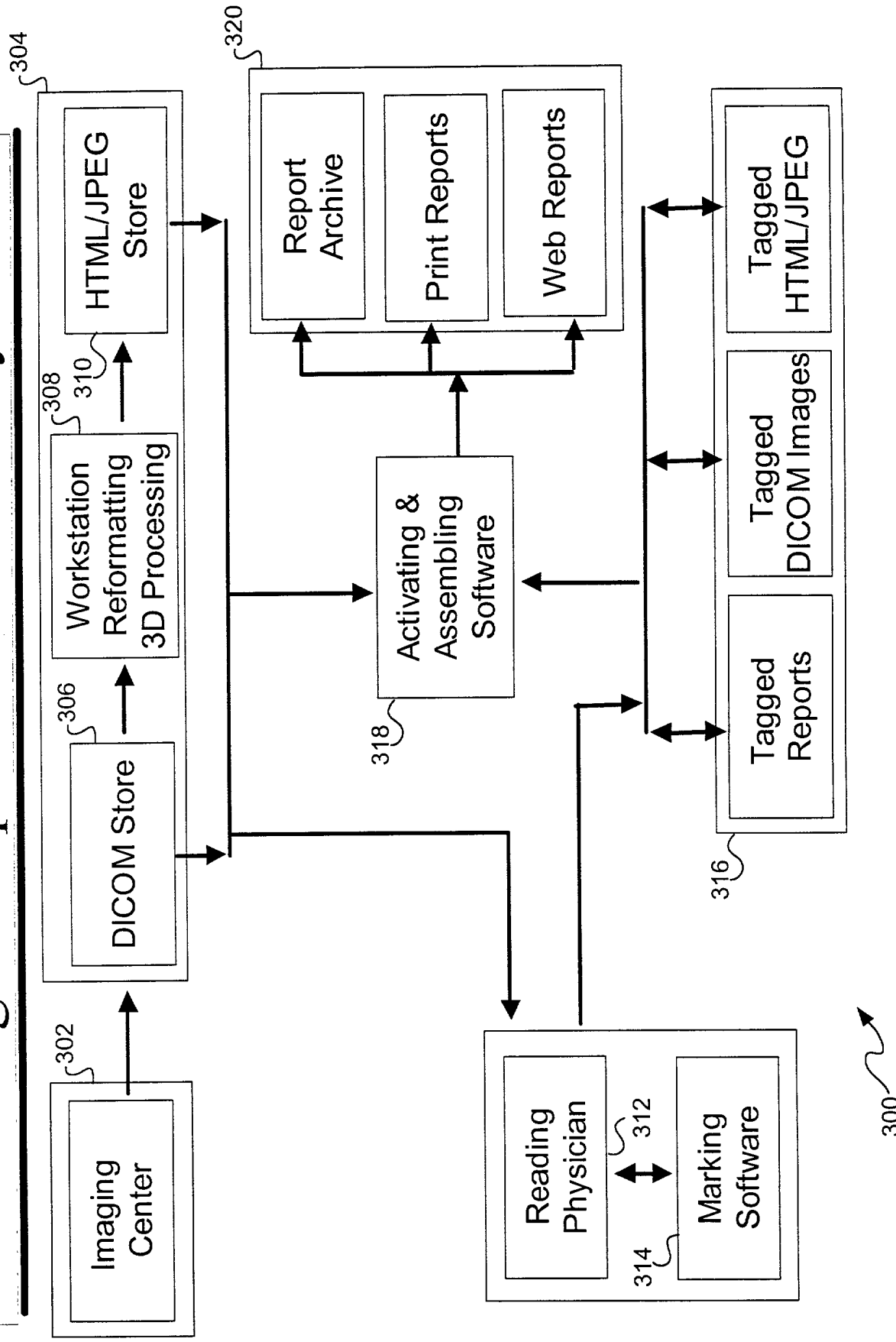


FIG. 3

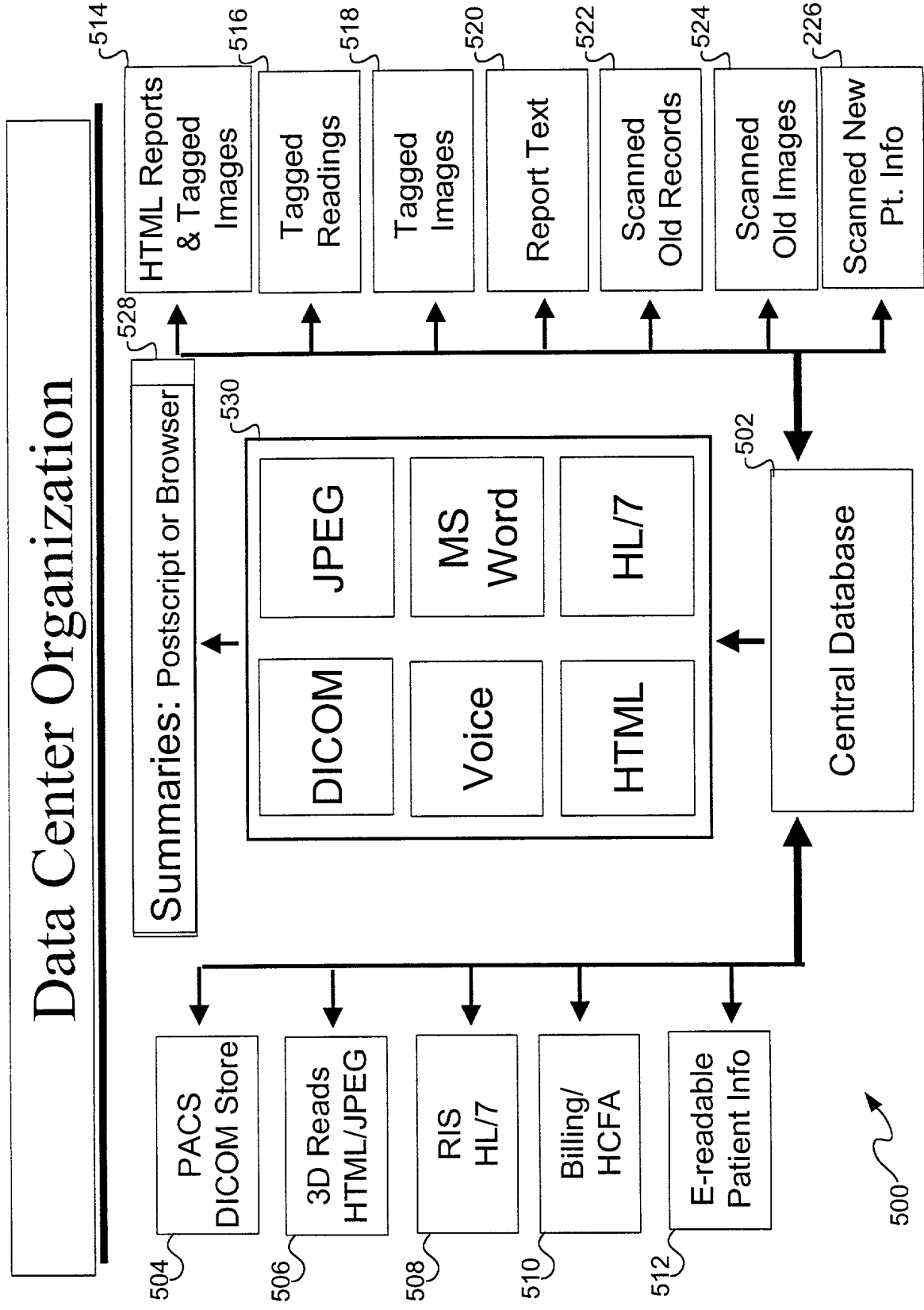


FIG. 5

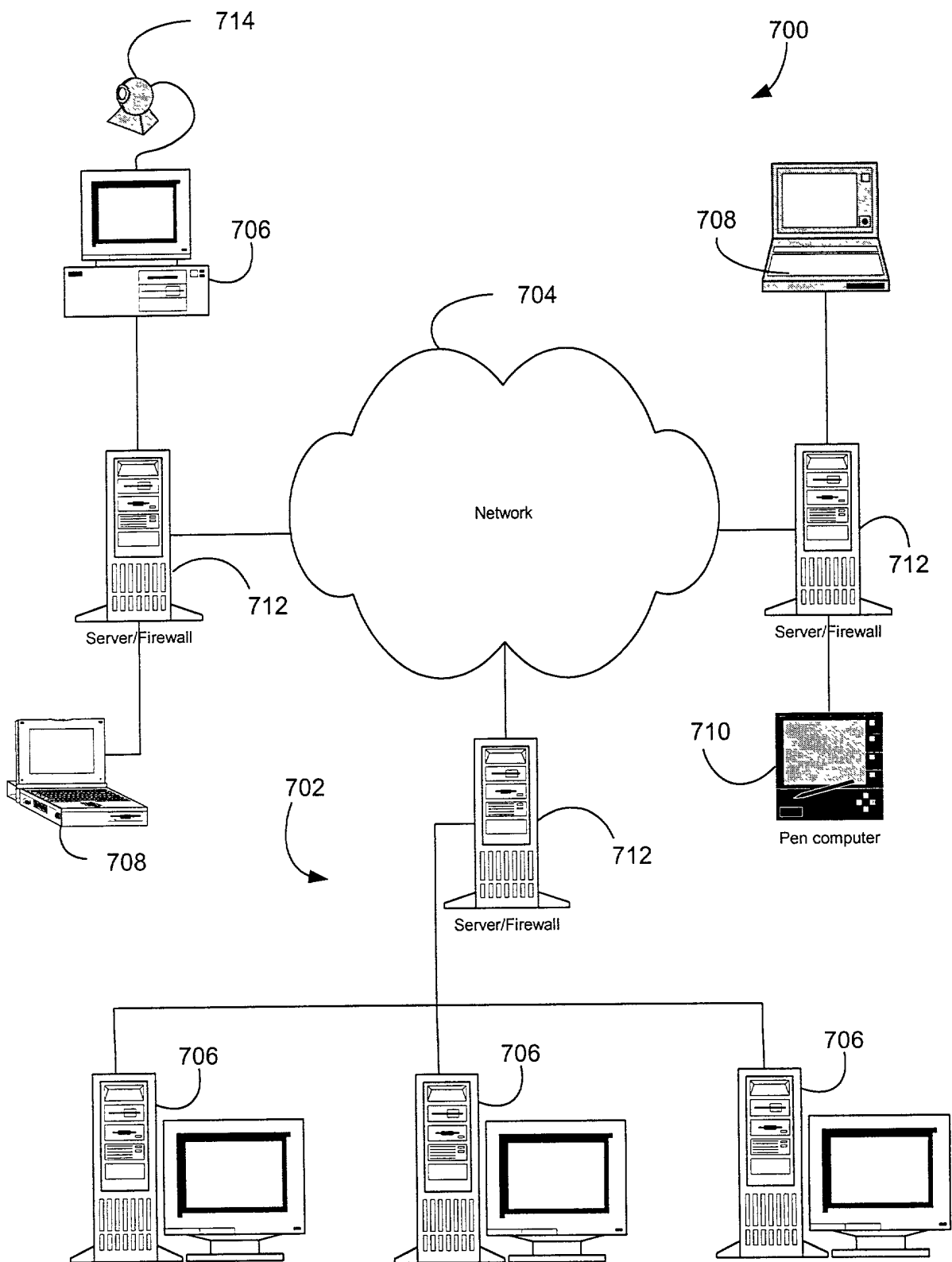


FIG. 7

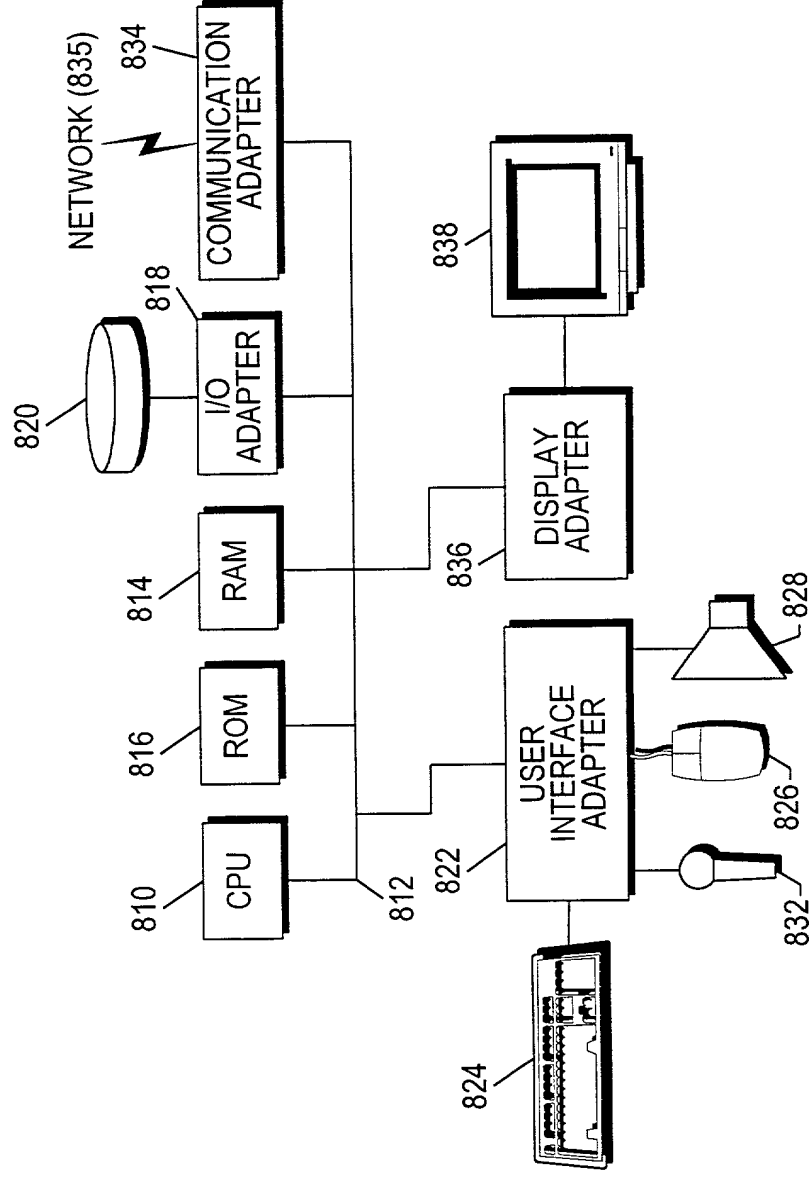
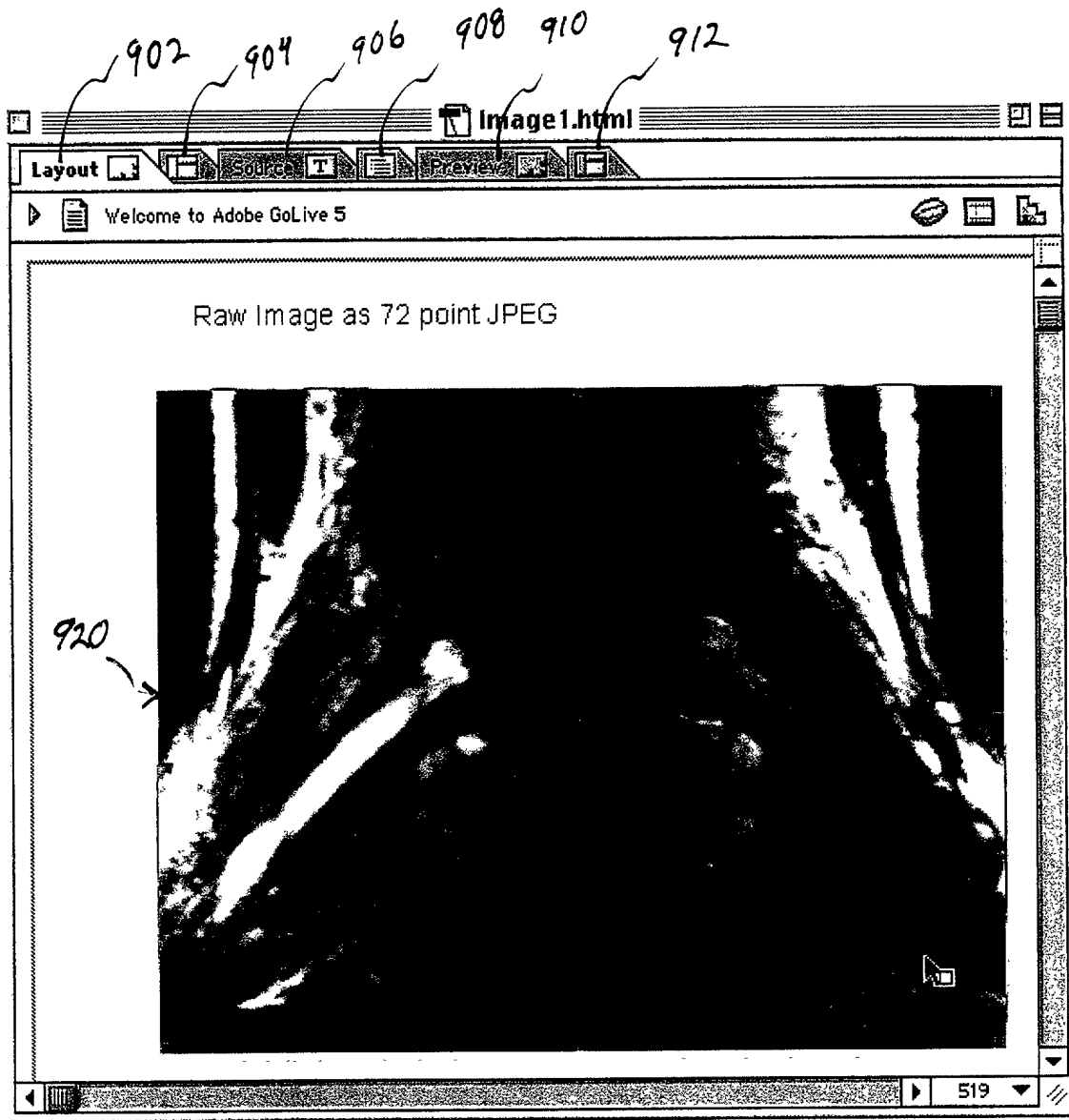


FIG. 8

09746429-42200



900 ↗

FIGURE 9

902 904 906 908 910 912

Image2.html

Layout

JPEG with arrows

Arrow Labelled JPEG

1002

1020

633

FIGURE 10

Image7.html

Layout

Linked Image

Floating Box With Anchor and button shown pointing to right C5 spinal nerve.
Image maps over arrows, anatomical structures and pathology

1120

1104

Next Image

Previous Image

Zoom Factor

1110

1122

590

1100

FIGURE 11

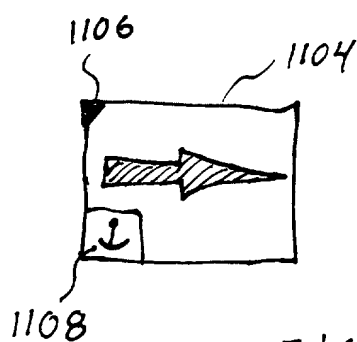


FIGURE 11A

0974649-1200
09292T-62494200

MainFrame2.html
DRG_text.html

Layout Source Preview

Dorsal Root Ganglion Anatomy
Page Title

Explanatory Text on Dorsal Root Ganglion with Floating Box and Anchor Over Drawing of Dorsal Root Ganglion

Dorsal Root Ganglion

The sensory component of each of the spinal nerves has a collection of nerve cell bodies called the dorsal root ganglion. The word ganglion, in this context refers to a collection of nerve cell bodies. The sensory portion of the nerve which extends out into the body to carry back sensory information is made up of axons (nerve fibers) which are extensions arising in the cell bodies of the dorsal root ganglion. The term dorsal root refers to the fact that all of the sensory parts of a nerve emerge from the dorsal part of the spinal cord, while the motor parts emerge from the ventral part and travel in the ventral root to reach the beginning of the nerve

Dorsal Root
Dorsal Root Entry Zone
Spinal Cord
Dorsal Root Ganglion (1210)
Dorsal Ramus
Ventral Root
Ventral Horn
Ventral Ramus

1204
1202
1208
1206

610

Referring Physician: Tim Wilson, MD

This T2 weighted, chemical shift selected Neurographic image depicts the

1200
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FIGURE 12

1300 ↗

FIGURE 13

Interpret.html

Layout Source Preview

Patient: Smith, Joseph
Date of Birth: 5/10/50
Date of Imaging: 11/15/00
Reading Physician: Aaron Filler, MD, PhD
Referring Physician: Tim Wilson, MD

1402

This T2 weighted, chemical shift selected Neurographic image depicts the several cervical spinal nerves in the neck. In this patient the right C5 root is hyperintense. There are no evident abnormalities in any of the cervical spinal nerves on the left side. The pair of opposing arrows on the right side above and below the C7 and C8 spinal nerves depicts a downward deviation of these spinal nerves typical of the findings in a scalene syndrome associated with hypertrophy of the scalene muscle. Additionally, arrows on the left side indicate the positions of the C6 and C7 dorsal root ganglia.

This report includes an electronic water mark. Original printed reports include a paper watermark.


FIGURE 14

002327 63494253

MainFrame2.html

Layout Source T E N I E

Floating Box With Anchor and button shown pointing to left C7 dorsal root ganglion. Image maps over arrows, anatomical structures and pathology



Information Level

- ☒ Specialist MD
- ☐ Primary MD
- ☐ Advanced
- ☐ General

Type of Information

Findings

Submit Request

Reset Request

Next Image Previous Image Zoom Factor

Referring Physician: Tim Wilson, MD

1610

This T2 weighted, chemical shift selected fluorographic image depicts the several cervical spinal nerves in the neck. In this patient the right C6 root is hyperintense, which is consistent with radiculopathy. There are no evident abnormalities in any of the cervical spinal nerves on the left side. The pair of opposing arrows on the right side above and below the C7 and C8 spinal nerves depicts a downward deviation of these spinal nerves typical of the findings in a scalene syndrome associated with hypertrophy of the scalene muscle. Additionally, arrows on the left side indicate the positions of the C6 and

692

1800
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↗

FIGURE 18

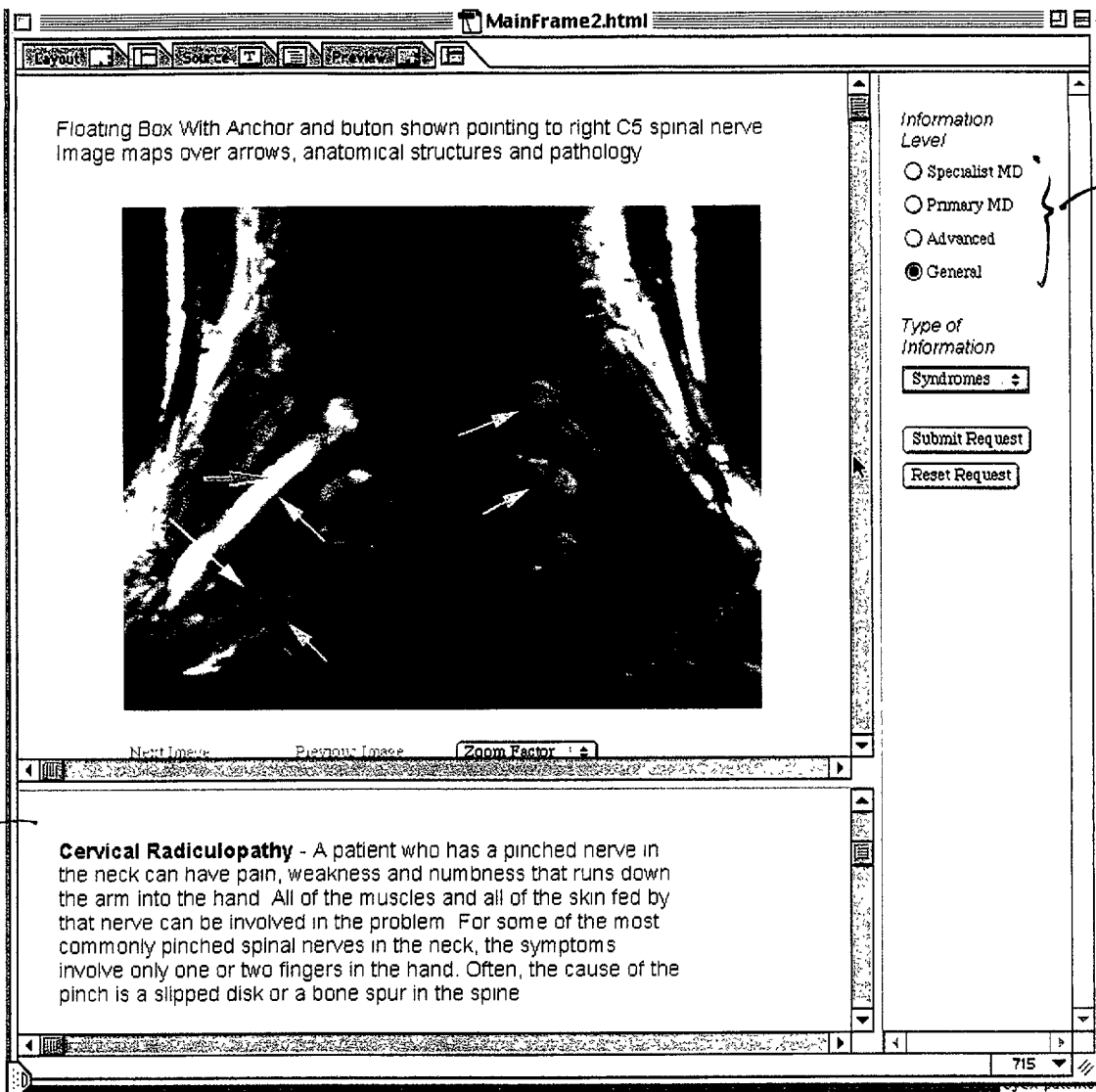


FIGURE 18

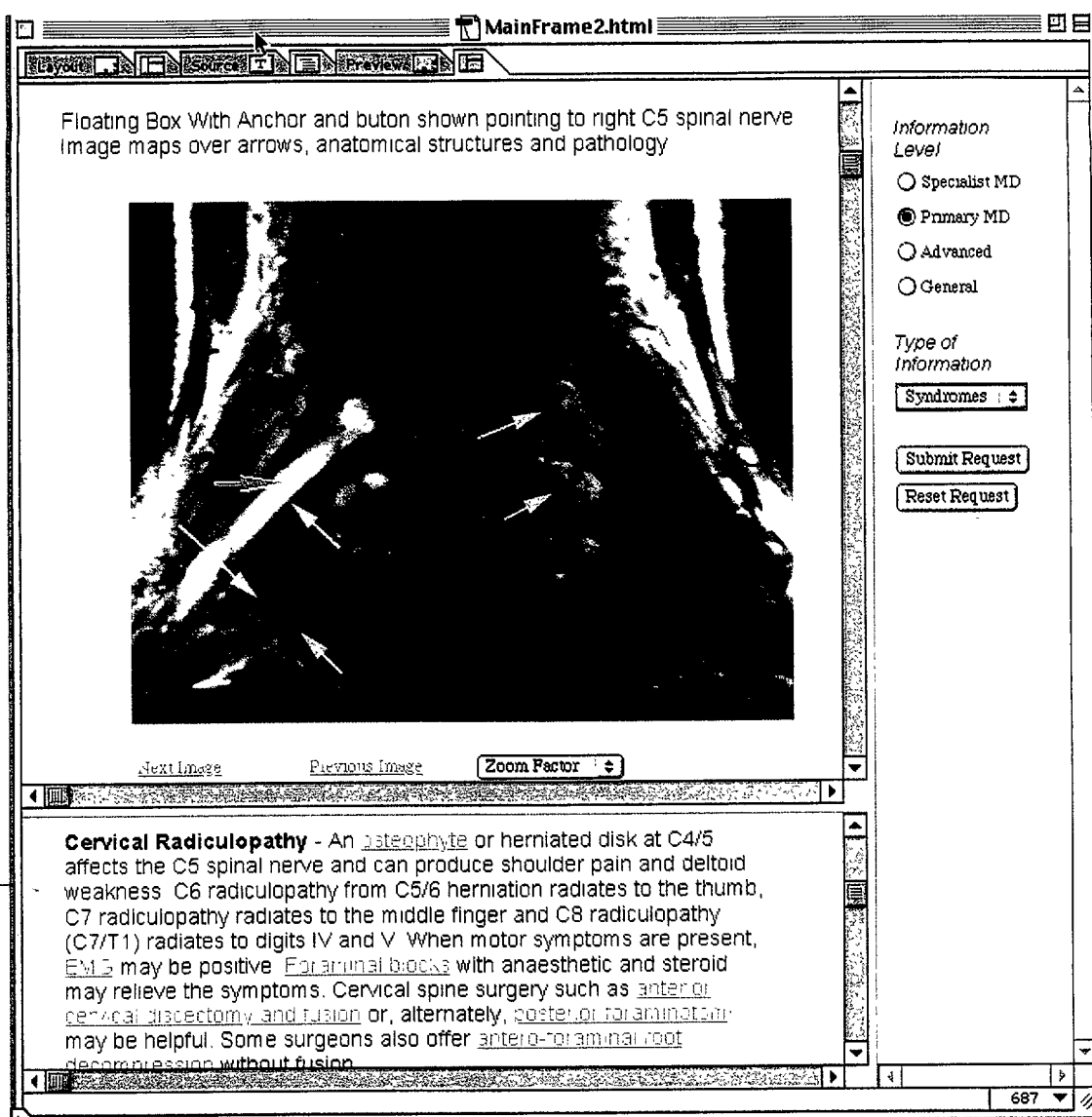
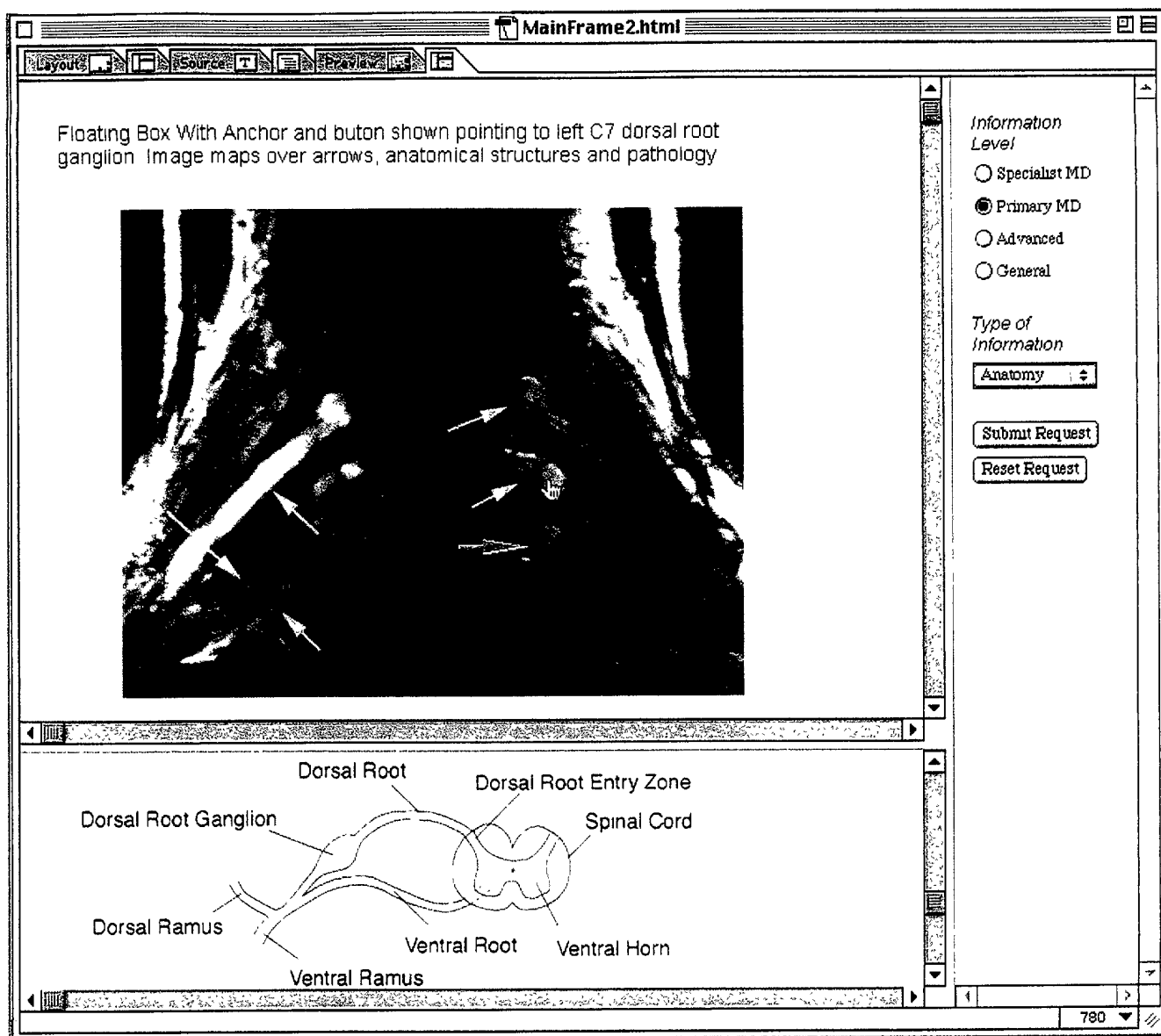


FIGURE 18

09745439-4 12102930



1900
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↗

FIGURE 19

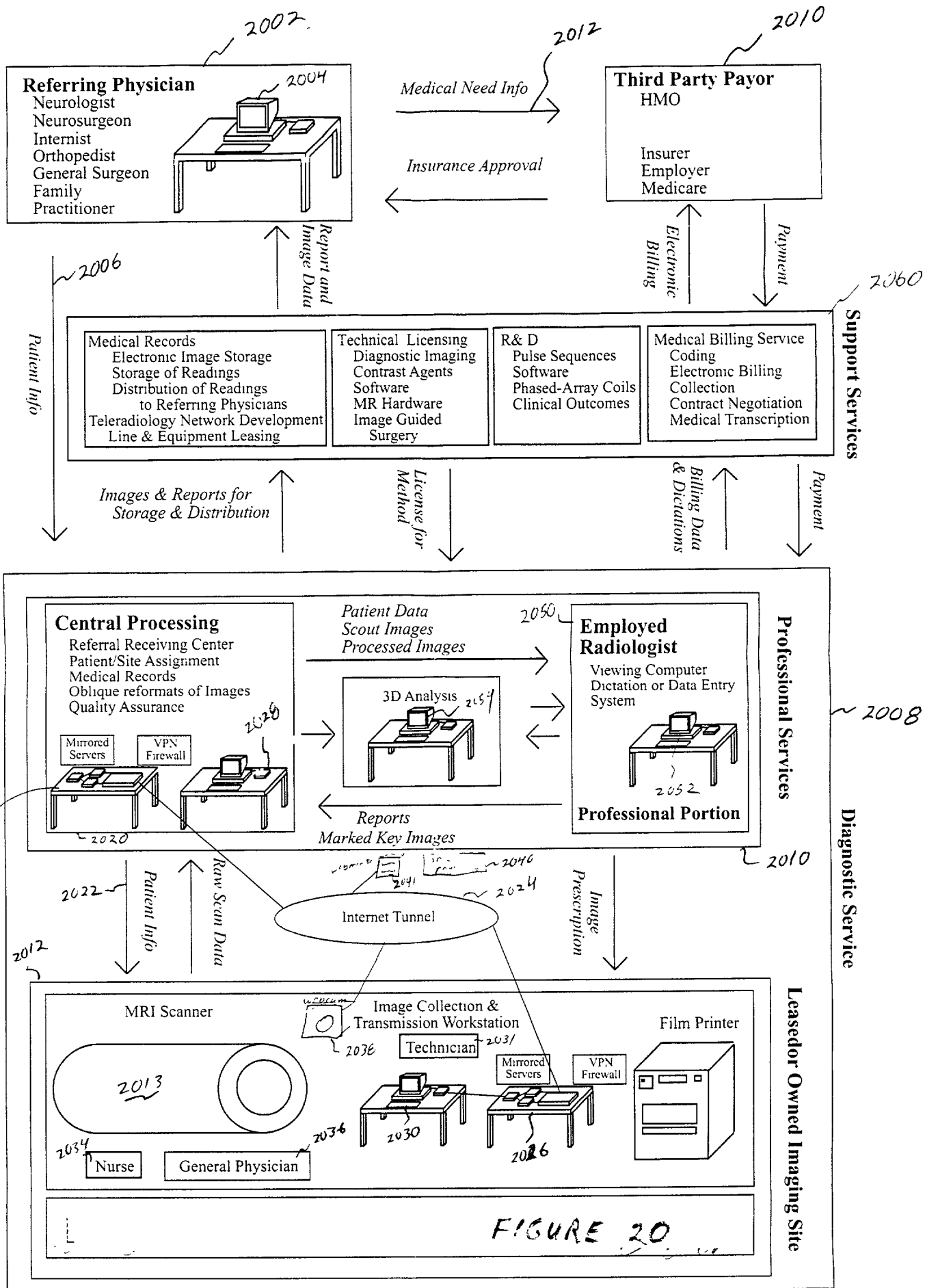


FIGURE 20